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	NO	TICE OF ALLOW	ANCE AND FEE(S)	DUE	
21005 7:	590 09/03/2002		_		
HAMILTON, BE	ROOK, SMITH & RE	EYNOLDS, P.C.		EXAMIN	ER /
530 VIRGINIA RO P.O. BOX 9133		<b></b>		KIM, KENN	јетн s
CONCORD, MA	1742-9133			ART UNIT	CLASS-SUBCLASS
				2183	712-220000
	•		DA	TE MAILED: 09/03/2002	
APPLICATION NO.	FILING DATE	FJRST NAM	ED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/411/,194	10/01/1999	JOEL S. EMER		DEC99-55(PD9	7962
		HREAD EXECUTION UPO TO MAKE RESOURCES AV	N EVENT IDENIFIED BY A	RMING INSTRUCTION IN	SIMULTANEOUS
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	// DATE DUE
nonprovisional	NO	\$1280	\$0	\$1280	12/03/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

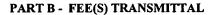
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

 Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

**Commissioner for Patents** Washington, D.C. 20231

(703)746-4000 **Fax** 

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for

maintenance fee notifications. CURRENT CURRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1) Note: A certificate of mailing can only be used for domestic mailings of the Fec(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. 21005 7590 09/03/2002 HAMILTON, BROOK, SMITH & REYNOLDS, P.C. 530 VIRGINIA ROAD Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below. P.O. BOX 9133 CONCORD, MA 01742-9133

					o our ro, on all date mailed	·
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE	FIRS	ST NAMED INVENTO	)R	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/411,194	10/01/1999	JOEL S. EMER		DEC99-55(PD9	7962	
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EXAMI	NER	ART UNIT	CLASS-SUBCLA	ss		
KIM, KEN	NETH S	2183	712-220000			
1. Change of corresponden	ce address or indication of	of "Fee Address" (37	2. For printing or	the patent fro	nt page, list (1)	
CFR 1.363).		•	the names of up	to 3 registered	patent attorneys	
☐ Change of corresponded Address form PTO/SB/12	ence address (or Change of 22) attached.	of Correspondence	or agents OR, alternatively, (2) the name of a single firm (having as a member a registered 2			
"Fee Address" indicati	on (or "Fee Address" Ind	ication form	attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name			
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			is listed, no name	will be printed.	3	<del></del>
3. ASSIGNEE NAME AND	RESIDENCE DATA TO	D BE PRINTED ON THE	PATENT (print or	type)		<del></del>
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☐ ISSUE FEE		Payment by credit card. Form PTO-2038 is attached.				
Li Advance Order # of Cories		The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to				
			it Account Number	-	(enclose an extra copy of this	
Commissioner for Patents is	requested to apply the Is	sue Fee and Publication F	Fee (if any) or to re-a	pply any previo	ously paid issue fee to the applica	ation identified above.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C. 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

NOTE; The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

(Date)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

(Authorized Signature)



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HAMILTON, B	ROOK, SMITH & RI	EYNOLDS, P.C.	KIM, KENN	JETH S
530 VIRGINIA R P.O. BOX 9133	OAD	Г	ART UNIT	PAPER NUMBER
CONCORD, MA			2183	10
UNITED STATES	S	DA	TE MAILED: 09/03/2002	·

# Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The patent term extension is 0 days. Any patent to issue from the above identified application will include an indication of the 0 day extension on the front page.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)



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## Notice of Possible Fee Increase on October 1, 2002

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2002, then the amount due may be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there may be an increase in fees effective on October 1, 2002. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Notice of Proposed Rulemaking. 67 Fed. Reg. 30634, 30636 (May 7, 2002). Although a change to the amount of the publication fee is not currently proposed for October 2002, if the issue fee or publication fee is to be paid on or after October 1, 2002, applicant should check the USPTO web site for the current fees before submitting the payment. The USPTO Internet address for the fee schedule is: <a href="http://www.uspto.gov/main/howtofees.htm">http://www.uspto.gov/main/howtofees.htm</a>.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of any fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after October 1, 2002 (or mailed with a certificate of mailing on or after October 1, 2002), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

(OR REMAINS) CLOSED in	Applicant(s)  EMER ET AL.  Art Unit  2183  The the correspondence address— this application. If not included induction will be mailed in due course. THIS		
Examiner  Kenneth S KIM  ears on the cover sheet with (OR REMAINS) CLOSED in (or other appropriate communication) or other appropriate communication is seen to be a seen to b	Art Unit 2183  th the correspondence address— this application. If not included unication will be mailed in due course. THIS		
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inder 35 U.S.C. § 119(e) (to a	a provisional application).		
this application. THIS THR mitted. Note the attached EX	reply complying with the requirements noted EE-MONTH PERIOD IS NOT EXTENDABLE AMINER'S AMENDMENT or NOTICE OF ration is deficient.		
_	w ( PTO-948) attached h has been approved by the Examiner.		
(c) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No			
I.84(c)) should be written on the raid of	ne drawings in the top margin (not the back) essed to the Official Draftsperson.		
osit of BIOLOGICAL MATE THE DEPOSIT OF BIOLOGIC	ERIAL must be submitted. Note the CAL MATERIAL.		
4∏ Interview 6⊠ Examine	Informal Patent Application (PTO-152) Summary (PTO-413), Paper No r's Amendment/Comment r's Statement of Reasons for Allowance  KENNETH S. KIM PRIMARY EXAMINER		
	under 35 U.S.C. § 119(e) (to a application has been received under 35 U.S.C. §§ 120 and/or of this communication to file a f this application. THIS THRI mitted. Note the attached EX/son(s) why the oath or declar rson's Patent Drawing Review correction filed, which is Amendment / Comment of 1.84(c)) should be written on the with a transmittal letter addressit of BIOLOGICAL MATE THE DEPOSIT OF BIOLOGICAL MATE THE DEPOSIT OF BIOLOGICAL MATE THE DEPOSIT OF BIOLOGICAL MATE Examine 8 Examine		

Page 2

Application/Control Number: 09/411,194

Art Unit: 2183

- 1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.
- 2. The application has been amended as follows:

  Pursuant to MPEP 606.01, the title has been changed to read:
  - Resuming quiesced thread execution upon event identified by arming instruction in simultaneous multithreaded CPU instead of spin lock to make resources available - -.
- 4. Applicant is reminded that "www." portion of the web sites has been changed to web site -.
- 5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth S KIM whose telephone number is (703) 305-9693. The examiner can normally be reached on M-F (8:30-17:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Chan can be reached on (703) 305-9712. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

KENNETH'S. KIM PRIMARY EXAMINER